

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	69201	antisense	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:24
L2	114775	oligonucleotide or oligodeoxynucleotide or oligoribonucleotide	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:25
L3	2295	c-myb	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:25
L4	291195	peg or (polyethylene adj glycol)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:25
L5	1148	11 and 12 and 13 and 14	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:26
L6	64311	covalent\$2 with link\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:27
L7	598	acid-cleavable	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:27
L8	1118	acid adj cleavable	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:27
L9	1118	17 or 18	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:27
L10	470	19 and 16	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:27
L11	13	110 and 15	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:28
L12	10	111 and @ad<"20030403"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:28
L13	4	111 and @pd<"20030403"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:28
L14	2	111 and @pd<"20020403"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:44
L15	2	113 not 114	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:47

## EAST Search History

L16	6	l12 not l13	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:49
L17	1	l16 and (l1 near3 c-myb)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:49
L18	5	l16 not l17	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:51
L19	5132	l4 with l6	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:52
L20	3074804	l19 w l1	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:52
L21	11	l19 with l1	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:52
L22	11	l21 not l12	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:54
L23	0	l22 and @ad<"20030403"	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/20 14:52

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\$%^STN;highlightOn= \*\*\*;highlightOff=\*\*\* ;

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NEWS 2	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS 3	AUG 06	FSTA enhanced with new thesaurus edition
NEWS 4	AUG 13	CA/CAPLUS enhanced with additional kind codes for granted patents
NEWS 5	AUG 20	CA/CAPLUS enhanced with CAS indexing in pre-1907 records
NEWS 6	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7	AUG 27	USPATOLD now available on STN
NEWS 8	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9	SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10	SEP 13	FORIS renamed to SOFIS
NEWS 11	SEP 13	INPADOCDB enhanced with monthly SDI frequency
NEWS 12	SEP 17	CA/CAPLUS enhanced with printed CA page images from 1967-1998
NEWS 13	SEP 17	CAPLUS coverage extended to include traditional medicine patents
NEWS 14	SEP 24	EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15	OCT 02	CA/CAPLUS enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16	OCT 19	BEILSTEIN updated with new compounds
NEWS 17	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 18	NOV 19	WPIX enhanced with XML display format
NEWS 19	NOV 30	ICSD reloaded with enhancements
NEWS 20	DEC 04	LINPADOCDB now available on STN
NEWS 21	DEC 14	BEILSTEIN pricing structure to change
NEWS 22	DEC 17	USPATOLD added to additional database clusters
NEWS 23	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 24	DEC 17	DGENE now includes more than 10 million sequences
NEWS 25	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26	DEC 17	MEDLINE and LMEMLINE updated with 2008 MeSH vocabulary
NEWS 27	DEC 17	CA/CAPLUS enhanced with new custom IPC display formats
NEWS 28	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS EXPRESS	19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability	
NEWS LOGIN	Welcome Banner and News Items	
NEWS IPC8	For general information regarding STN implementation of IPC 8	

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 15:48:54 ON 20 DEC 2007

=> file stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.84	0.84

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FILE CONTAINS CURRENT INFORMATION.  
LAST RELOADED: Dec 18, 2007 (20071218/UP).

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.54	1.38

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FILE COVERS 1907 - 20 Dec 2007 VOL 147 ISS 26  
FILE LAST UPDATED: 19 Dec 2007 (20071219/ED)

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<http://www.cas.org/infopolicy.html>

=> S PEG

43307 PEG  
1390 PEGS  
L1 43879 PEG  
(PEG OR PEGS)

=> S PLGA

3399 PLGA  
39 PLGAS

L2 3403 PLGA  
(PLGA OR PLGAS)

=> s l1 and l2  
L3 335 L1 AND L2

=> s l1 (s) l2  
L4 264 L1 (S) L2

=> d ti 1-10

L4 ANSWER 1 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antitumor compositions containing semustine and tyrosine kinase inhibitors

L4 ANSWER 2 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antitumor compositions containing nimustine and tyrosine kinase inhibitors

L4 ANSWER 3 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antitumor compositions containing spiromustine and tyrosine kinase inhibitors

L4 ANSWER 4 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antitumor compositions containing uramustine and tyrosine kinase inhibitors

L4 ANSWER 5 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antitumor compositions containing sarcnu and tyrosine kinase inhibitors

L4 ANSWER 6 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Preparation of IFN.alpha.-2b sustained-release microspheres and study on factors influencing microspheres

L4 ANSWER 7 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Direct plasmid DNA encapsulation within PLGA nanospheres by single oil-in-water emulsion method

L4 ANSWER 8 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Antineoplastic composite containing tyrosine kinase inhibitors

L4 ANSWER 9 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI PCL-PEG-Based Nanoparticles Grafted with GRGDS Peptide: Preparation and Surface Analysis by XPS

L4 ANSWER 10 OF 264 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Block polymers for functional nanoparticles, containing polypeptides or polynucleotides such as aptamers, as well as targeting, imaging, chelating, charged, or therapeutic moiety

=> s l4 and pd<20020403  
22681652 PD<20020403  
(PD<20020403)  
L5 78 L4 AND PD<20020403

=> d ti 1-10

L5 ANSWER 1 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Biocompatible and biodegradable polymer matrix for sustained release implant containing hydrophilic drug

L5 ANSWER 2 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Bioerodible multi-block copolymers containing PLGA segments

- L5 ANSWER 3 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Sustained-release injectables formed in situ and their potential use for veterinary products
- L5 ANSWER 4 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Controlled release of an osteogenic peptide from injectable biodegradable polymeric composites
- L5 ANSWER 5 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Effect of hydrophilic polymers on the release of BCNU from BCNU-loaded PLGA wafer
- L5 ANSWER 6 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Biodegradable synthetic polymer scaffolds for reinforcement of albumin protein solders used for laser-assisted tissue repair
- L5 ANSWER 7 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Synthesis and aqueous phase behavior of thermoresponsive biodegradable poly(D,L-3-methylglycolide)-block-poly(ethylene glycol)-block-poly(D,L-3-methylglycolide) triblock copolymer
- L5 ANSWER 8 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Biodegradable pH/thermosensitive hydrogels for sustained delivery of biologically active agents
- L5 ANSWER 9 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Co-lyophilization of bovine serum albumin (BSA) with poly(ethylene glycol) improves efficiency of BSA encapsulation and stability in polyester microspheres by a solid-in-oil-in-oil technique
- L5 ANSWER 10 OF 78 CAPLUS COPYRIGHT 2007 ACS on STN  
 TI Poly(D,L-lactic acid-co-glycolic acid)-b-poly(ethylene glycol)-b-poly(D,L-lactic acid-co-glycolic acid) triblock copolymer and thermoreversible phase transition in water

=> d his

(FILE 'HOME' ENTERED AT 15:48:54 ON 20 DEC 2007)

FILE 'STNGUIDE' ENTERED AT 15:51:28 ON 20 DEC 2007

FILE 'CAPLUS' ENTERED AT 15:56:40 ON 20 DEC 2007

- L1 43879 S PEG  
 L2 3403 S PLGA  
 L3 335 S L1 AND L2  
 L4 264 S L1 (S) L2  
 L5 78 S L4 AND PD<20020403

=> s 15 and hydrazone

30115 HYDRAZONE  
 13456 HYDRAZONES  
 36396 HYDRAZONE  
 (HYDRAZONE OR HYDRAZONES)

L6 0 L5 AND HYDRAZONE

=> s 15 and acid-cleavable

4500380 ACID  
 1606274 ACIDS  
 5006567 ACID  
 (ACID OR ACIDS)  
 5137 CLEAVABLE  
 1 CLEAVABLES

5138 CLEAVABLE  
(CLEAVABLE OR CLEAVABLES)

232 ACID-CLEAVABLE  
(ACID(W)CLEAVABLE)

L7 0 L5 AND ACID-CLEAVABLE

=> s 15 and conjugate

71510 CONJUGATE  
64631 CONJUGATES  
111667 CONJUGATE  
(CONJUGATE OR CONJUGATES)

L8 4 L5 AND CONJUGATE

=> d ti 1-4

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Design of biodegradable particles for protein delivery

L8 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Biodegradable polymeric micelles composed of doxorubicin conjugated  
\*\*\*PLGA\*\*\* - \*\*\*PEG\*\*\* block copolymer

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Cationic PEG-lipids and methods of use

L8 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
TI Biodegradable polymeric micelles containing doxorubicin conjugated  
\*\*\*PLGA\*\*\* - \*\*\*PEG\*\*\* block copolymers

=> d ibib abs 3

L8 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
ACCESSION NUMBER: 2000:756557 CAPLUS <<LOGINID::20071220>>  
DOCUMENT NUMBER: 133:340221  
TITLE: Cationic PEG-lipids and methods of use  
INVENTOR(S): Cullis, Pieter R.; Chen, Tao; Fenske, David B.;  
Palmer, Lorne R.; Wong, Kim  
PATENT ASSIGNEE(S): University of British Columbia, Can.  
SOURCE: PCT Int. Appl., 153 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 3  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000062813	A2	20001026	WO 2000-CA451	20000420 <--
WO 2000062813	A3	20010809		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2370690	A1	20001026	CA 2000-2370690	20000420 <--
EP 1173600	A2	20020123	EP 2000-920309	20000420 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002542341	T	20021210	JP 2000-611949	20000420

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AU 783647	B2	20051117	AU 2000-40962	20000420
CA 2406654	A1	20011101	CA 2001-2406654	20010420 <--
WO 2001080900	A2	20011101	WO 2001-CA555	20010420 <--
WO 2001080900	A3	20030424		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002072121	A1	20020613	US 2001-839707	20010420
US 7189705	B2	20070313		
EP 1355670	A2	20031029	EP 2001-927519	20010420

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

JP 2004508012	T	20040318	JP 2001-577996	20010420
US 2004241855	A1	20041202	US 2004-884690	20040702

PRIORITY APPLN. INFO.:

US 1999-130151P	P	19990420
US 2000-553639	A	20000420
WO 2000-CA451	W	20000420
US 2000-227949P	P	20000825
WO 2001-CA555	W	20010420

AB The present invention provides cationic-polymer-lipid \*\*\*conjugates\*\*\* (CPLs) such as distal cationic-poly(ethylene glycol)-lipid \*\*\*conjugates\*\*\* which can be incorporated into conventional and stealth liposomes or other lipid-based formulation for enhancing cellular uptake. The CPLs of the present invention comprise a lipid moiety, a hydrophilic polymer; and a polycationic moiety. Method of increasing intracellular delivery of nucleic acids are also provided. For example, DSPE (121 mg) reacted with t-Boc-NH-PEG 3400-COONHS (500 mg) to obtain DSPE-PEG-NH2 as DSPE-CPL-1 with one protonable cationic group (yield 500 mg, 80%).

=> FIL STNGUIDE		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	27.41	28.79
FULL ESTIMATED COST		
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
	-0.78	-0.78
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